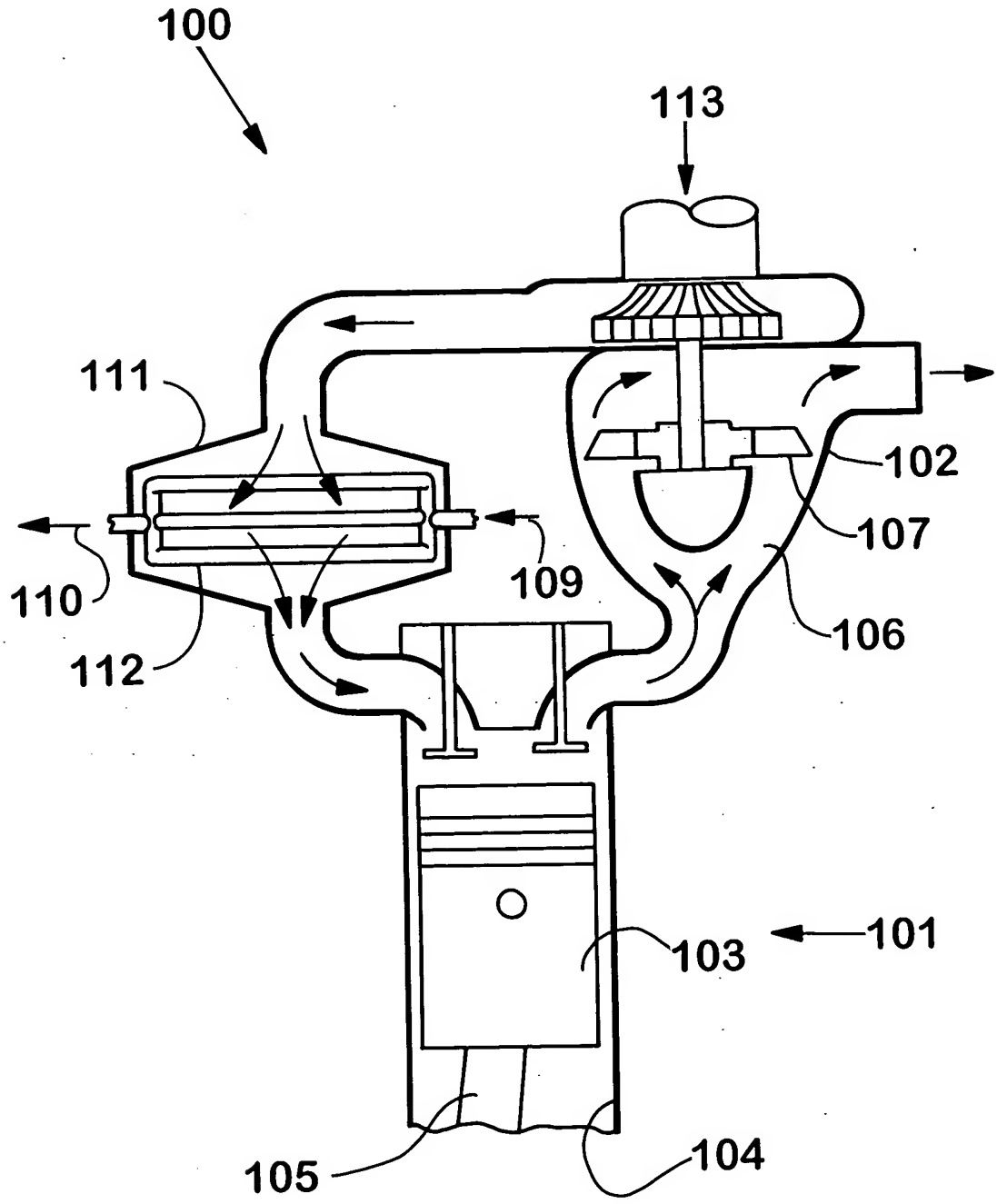

FIGURE 1

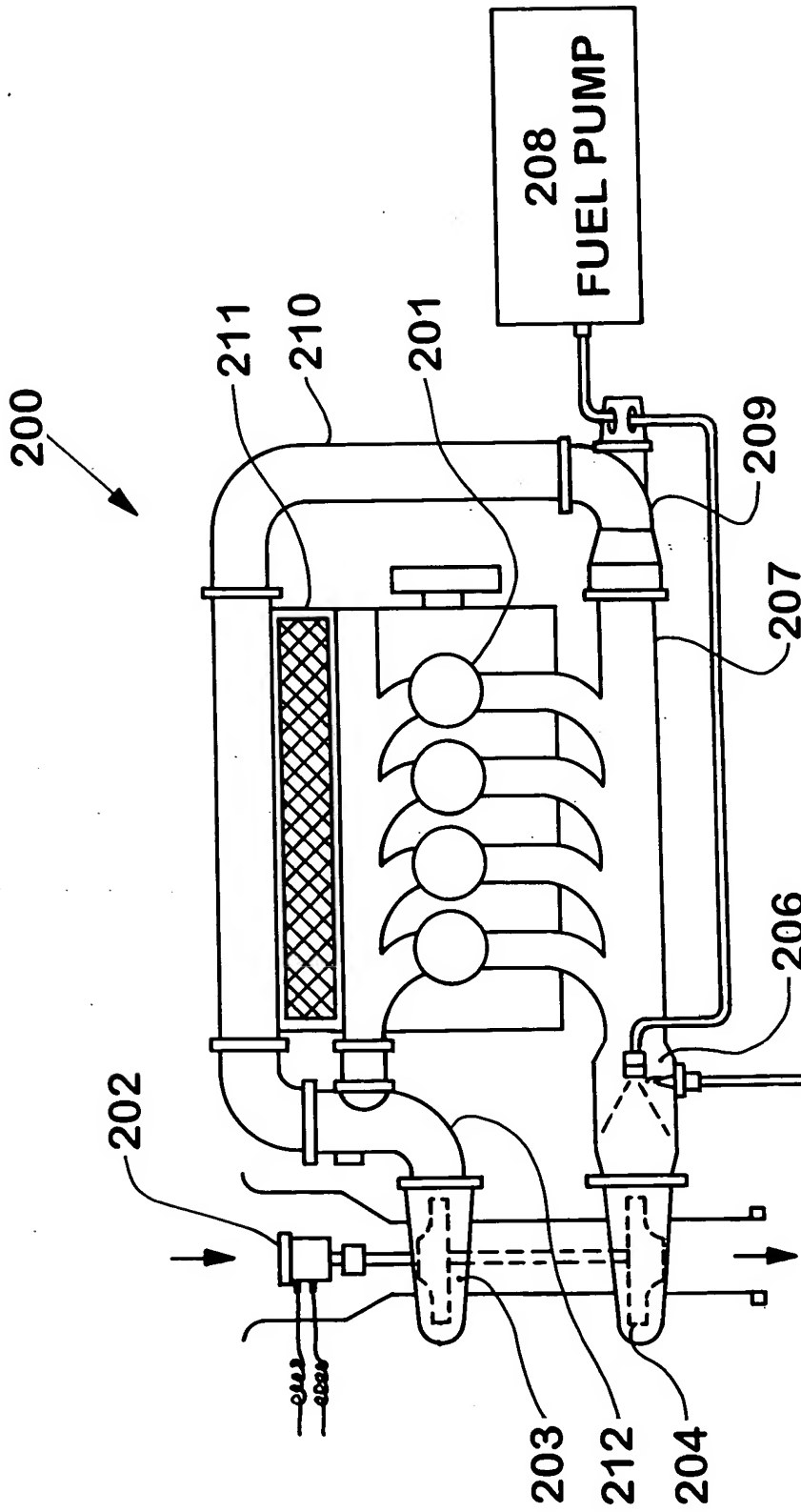
200
211
210
201
208
FUEL PUMP
209
207
206
205
IGNITER AND
FLAME CONTROL
202
203
212
204

FIGURE 2

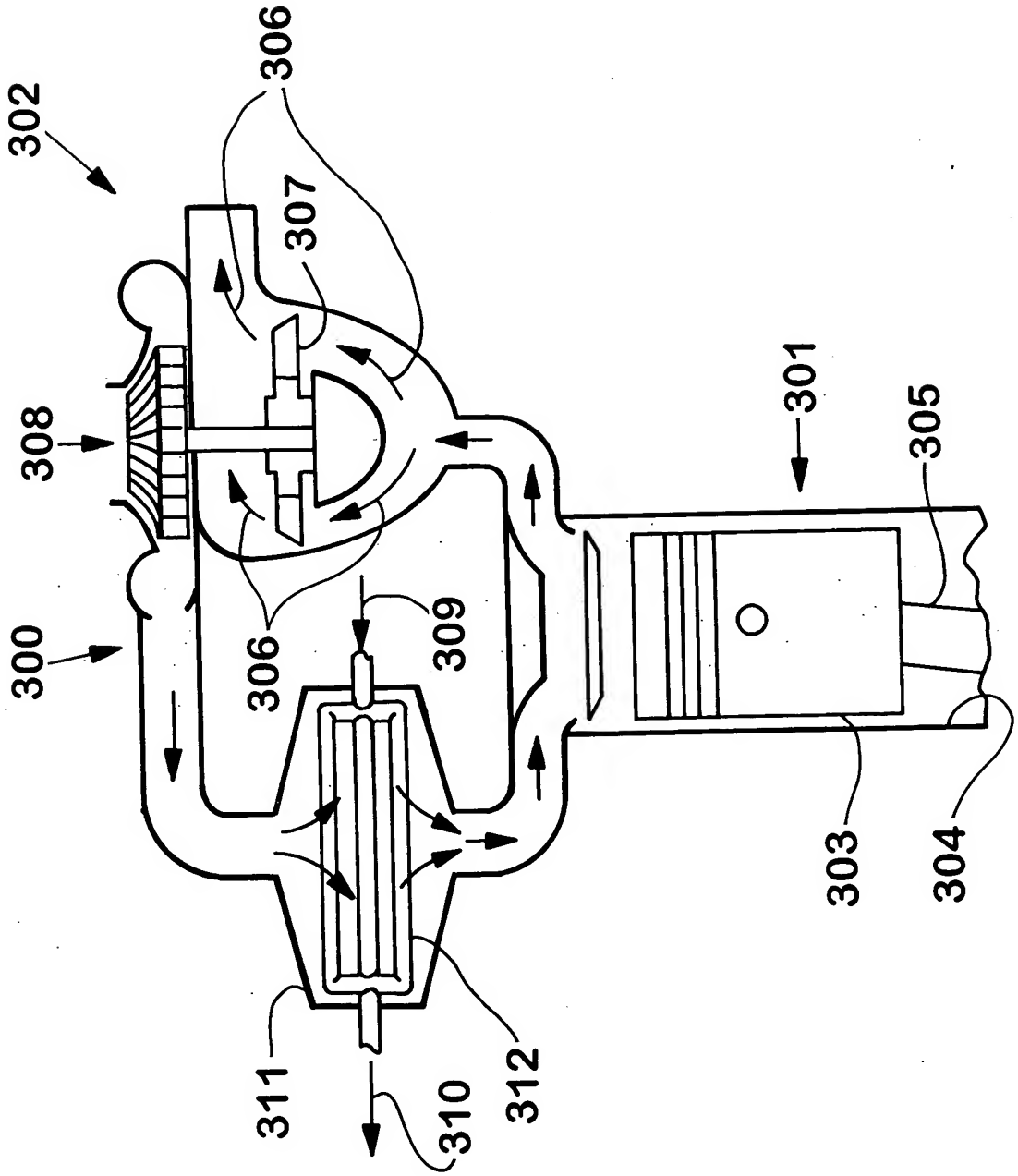

FIGURE 3

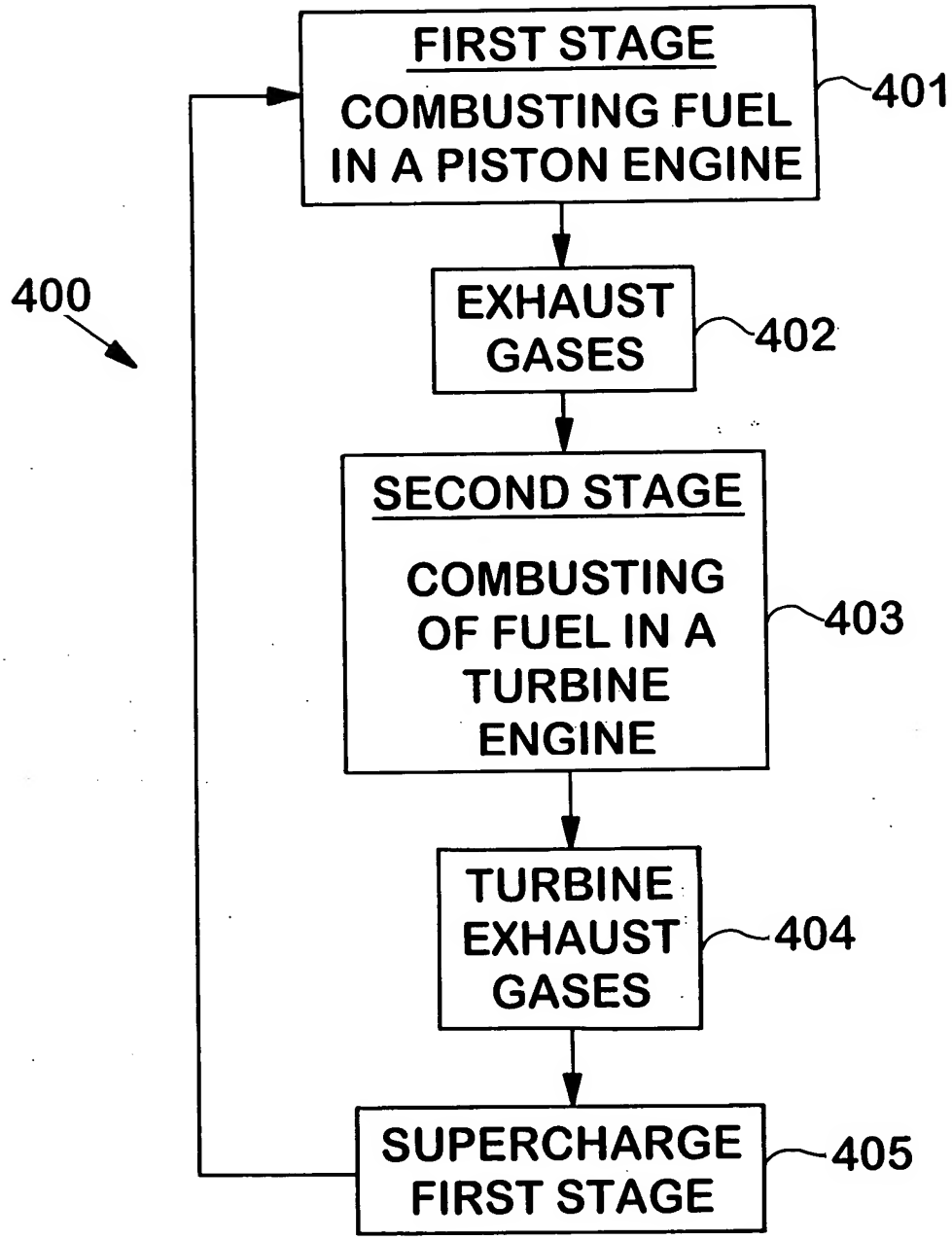
400
FIRST STAGE
COMBUSTING FUEL IN A PISTON ENGINE
401
EXHAUST GASES
402
SECOND STAGE
COMBUSTING OF FUEL IN A TURBINE ENGINE
403
TURBINE EXHAUST GASES
404
SUPERCHARGE FIRST STAGE
405

FIGURE 4

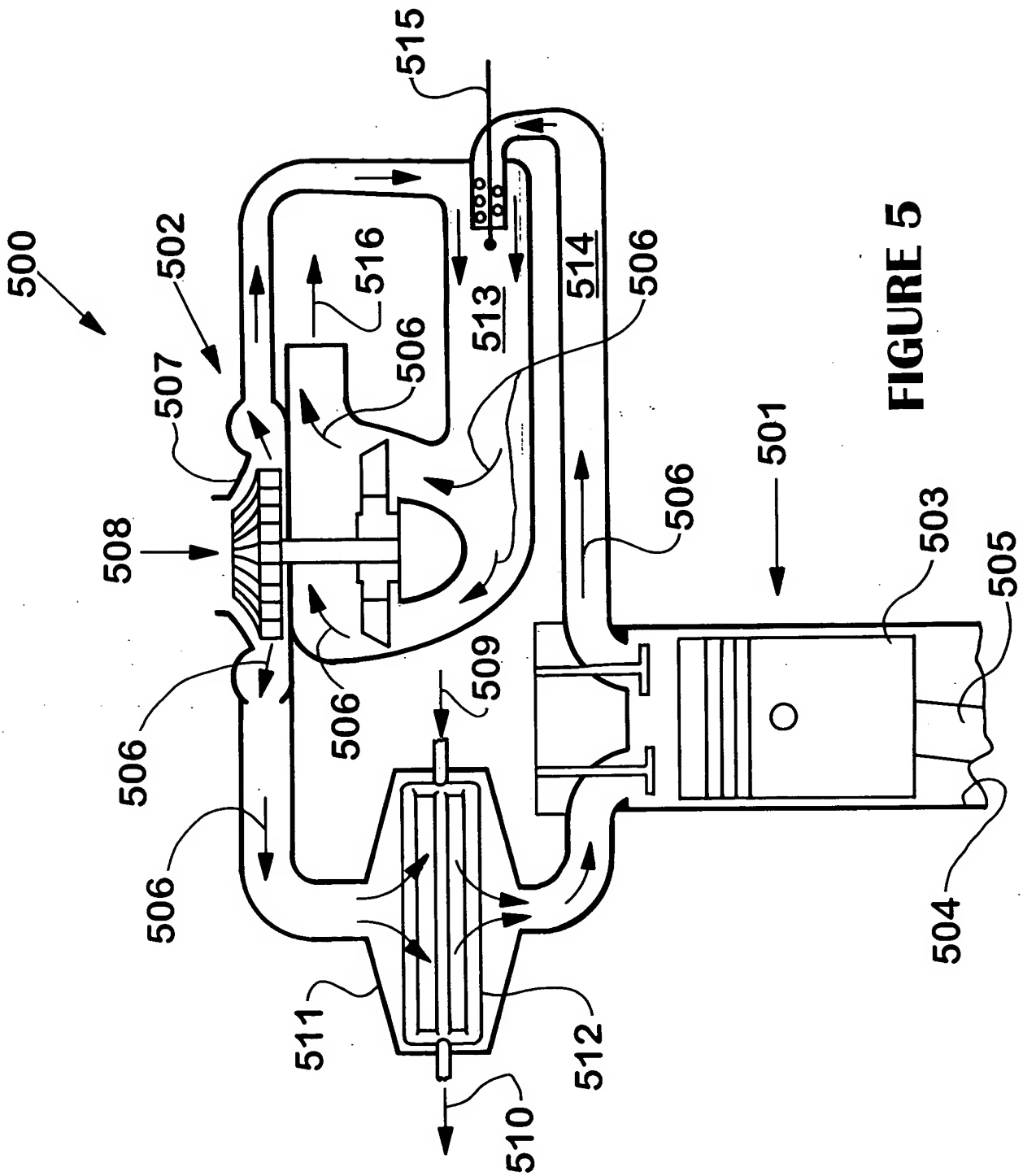
500
502
507
508
506
516
513
514
515
501
503
505
504
509
511
512
510

FIGURE 5

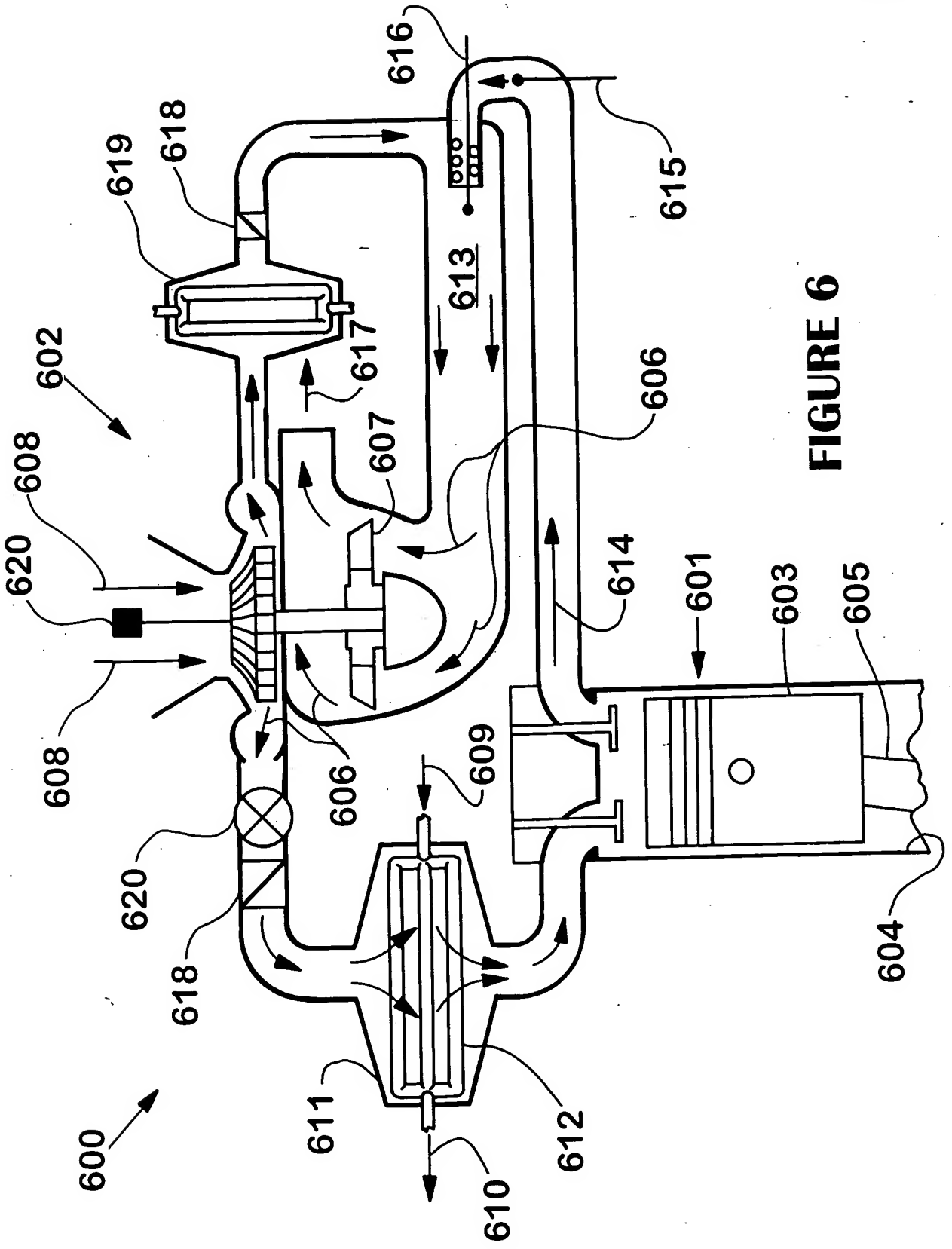
600
602
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
601
603

FIGURE 6

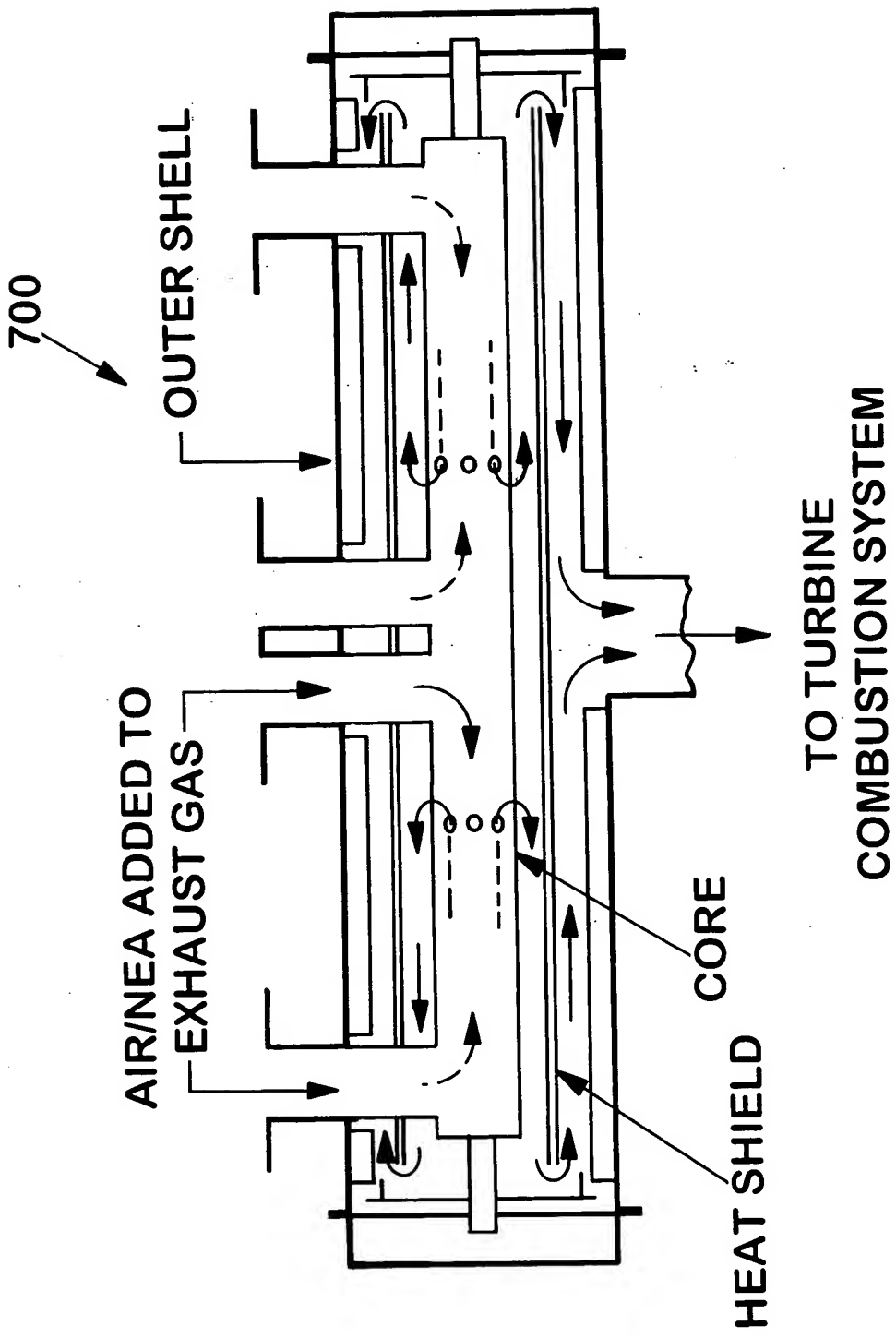
700
OUTER SHELL
AIR/NEA ADDED TO EXHAUST GAS
CORE
HEAT SHIELD
TO TURBINE COMBUSTION SYSTEM

FIGURE 7

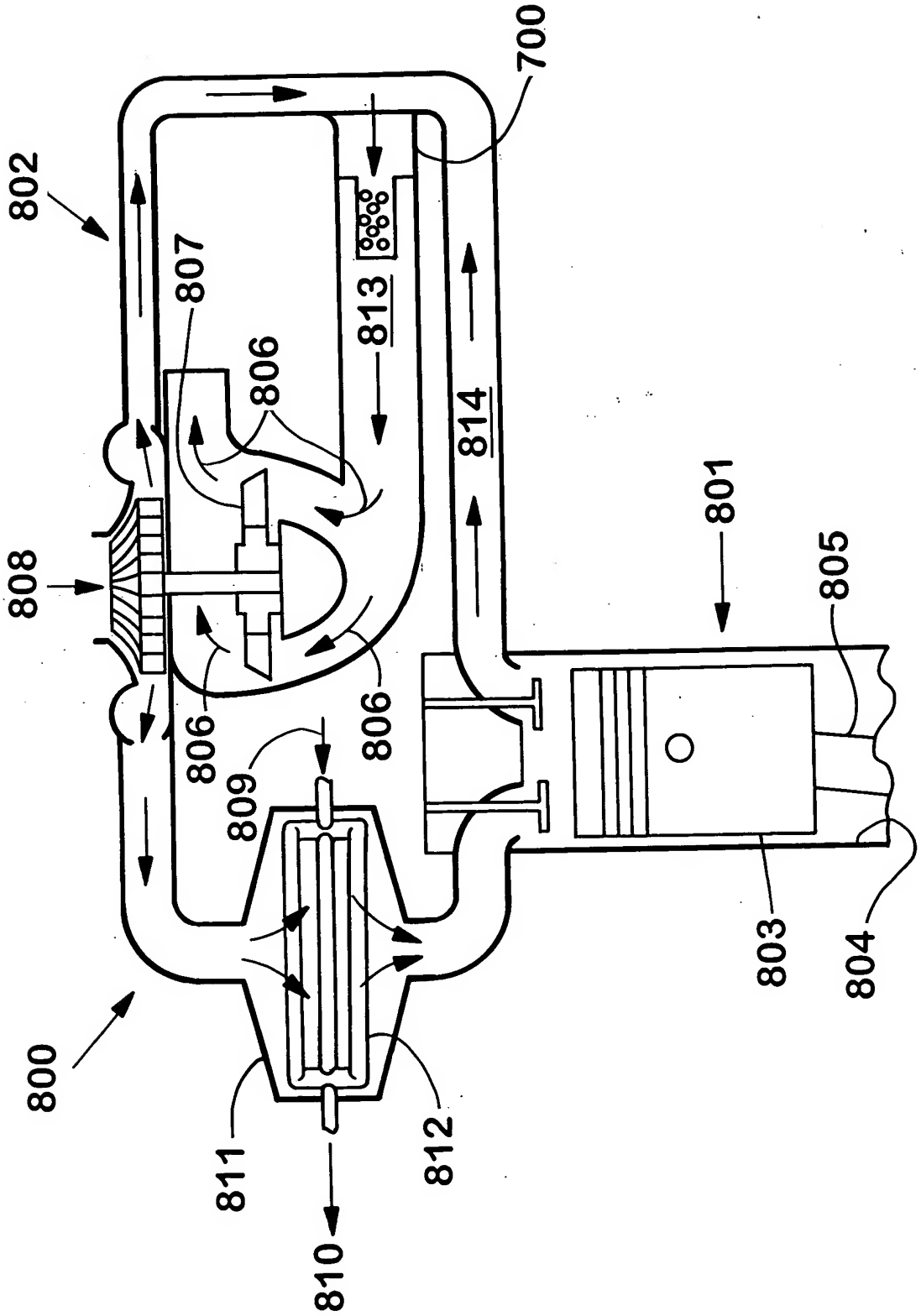
700
802
807
806
813
814
801
808
805
806
806
809
803
804
800
811
812
810

FIGURE 8

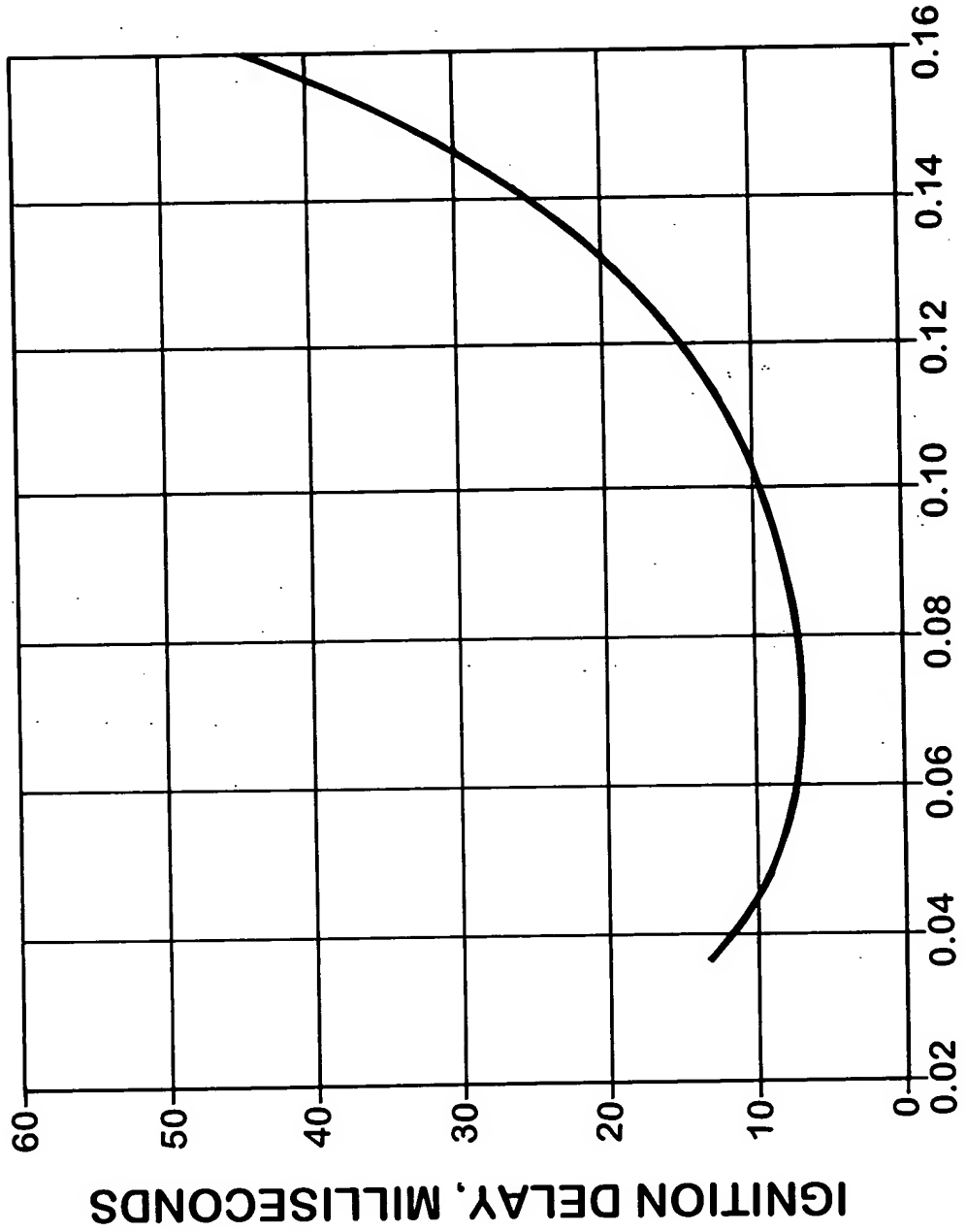
IGNITION DELAY, MILLISECONDS
60
50
40
30
20
10
0
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
FUEL-AIR RATIO

FIGURE 9